

Title (en)

Decorated resin molded article and method for producing the same

Title (de)

Verzierter geformter Harzartikel und Herstellungsverfahren dafür

Title (fr)

Article décoré moulé en résine et son procédé de fabrication

Publication

EP 2033717 A2 20090311 (EN)

Application

EP 08252949 A 20080904

Priority

JP 2007233620 A 20070910

Abstract (en)

A decorated resin molded article (10) that can secure a high durability and can represent a sufficiently realistic metal texture in appearance is provided as follows. A metal thin film (20) is directly formed on a design surface (18) of a substrate (12) by either a physical vapor deposition method or a chemical vapor deposition method to provide a metallic decoration. Additionally, a topcoat layer (22) is formed with a thickness of 10 to 40 μm on the metal thin film. The topcoat layer comprises a transparent coating film having an adhesive property to both of the substrate and the metal thin film.

IPC 8 full level

B05D 5/06 (2006.01); **B05D 7/02** (2006.01); **B29C 45/00** (2006.01); **B29C 49/00** (2006.01)

CPC (source: EP US)

B05D 5/067 (2013.01 - EP US); **B05D 7/02** (2013.01 - EP US); **B05D 2350/65** (2013.01 - EP US); **B29C 2045/0079** (2013.01 - EP US); **B29L 2009/003** (2013.01 - EP US); **B29L 2031/3005** (2013.01 - EP US); **B29L 2031/722** (2013.01 - EP US); **Y10T 428/24917** (2015.01 - EP US)

Citation (applicant)

- JP 2004300566 A 20041028 - TOYO RIKO KK
- US 6637920 B2 20031028 - MURAKOSHI MAMORU [JP], et al
- JP 2004174921 A 20040624 - KITAGAWA IND CO LTD
- US 7086766 B2 20060808 - INABA TERUAKI [JP], et al

Cited by

FR2962068A1; EP2996817A4

Designated contracting state (EPC)

DE GB

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2033717 A2 20090311; **EP 2033717 A3 20090527**; **EP 2033717 B1 20170308**; JP 2009061750 A 20090326; JP 4695631 B2 20110608; US 2009068425 A1 20090312; US 9364860 B2 20160614

DOCDB simple family (application)

EP 08252949 A 20080904; JP 2007233620 A 20070910; US 20259608 A 20080902